

Surface Mount Antennas, Rugged, 806-1000 MHz

- Mounts easily to roof, trunk or bulkhead
- Unity gain, 3 dBi & 5 dBi Omni configuration
- Rugged designs, stud mounts to 3/4" (19 mm) or 5/8" (16 mm) hole
- Gasket seal provides watertight use



The surface mount antennas can be mounted to any vehicle, container or bulkhead. The rugged style is excellent for industrial applications, yet attractive for consumer use.

The low profile SM Series is a unity gain device and requires a ground plane for best performance. The radome is durable ASA, available in white, grey or black. Outfitted with 15 feet of RG-58 (4.5 meters) and a male SMA connector, it requires a 5/8" hole (16 mm) for mounting. This series can also be outfitted with a GPS module for mobile tracking.

The RM3 Series antenna are 3 dBi gain broadband antennas. A ground plane is recommended for best performance. Broadband, these antennas will operate over the entire 800 - 1000 MHz band. A Direct N option is also available.

Antenna performance on the SM3 series is 5 dBi, and requires no ground plane. The antenna can be mounted on fiberglass or plastic. It requires a 3/4" hole (19 mm) for mounting. It has a weatherproof gasket for sealing. It is supplied with 15 feet (4.5 meters) of RG-58 cable, and SMA connector as standard.

| Model # | Frequency | Gain |
|--------------------|--------------|-------|
| SM-900-1C-WHT-180 | 824-894 MHz | Unity |
| SM-925-1C-WHT-180 | 870-960 MHz | Unity |
| SM-837-1C-WHT-180 | 806-870 MHz | Unity |
| RM3-900-1C-BLK-12 | 800-1000 MHz | 3 dBi |
| RM3-925-1C-BLK-12 | 870-960 MHz | 3 dBi |
| RM3-900DN-BLK | 800-1000 MHz | 3 dBi |
| RM3-925DN-BLK | 870-960 MHz | 3 dBi |
| SM3-900-1C-BLK-180 | 824-894 MHz | 5 dBi |
| SM3-925-1C-BLK-180 | 870-960 MHz | 5 dBi |
| SM3-837-1C-BLK-180 | 806-870 MHz | 5 dBi |

Color options available for above models
WHT-White, BLK-Black or Grey

Other mounts available.

| Specifications | |
|---------------------|--|
| Frequency: | See above |
| Gain: | Unity, 3 dBi or 5 dBi, see above |
| VSWR: | 2:1 max over range |
| Operating Temp: | -40° to +85° C |
| Nominal Impedance: | 50 ohms |
| Maximum Power: | 10 watts |
| Antenna Size/Mount: | |
| SM3 Series | 2.65"D x 15"H, 3/4" hole required (67 mm x 381 mm, 19 mm hole) |
| RM3 Series | 1.75"D x 3"H, 5/8" hole required (45 mm x 76 mm, 16 mm hole) |
| SM Low Profile | 4.5"D x .95"H, 5/8" hole required (114 mm x 24 mm, 16 mm hole) |
| Hardware Supplied: | Locknut and gasket |
| Case Material: | RM3,SM: ASA; SM3: Polycarbonate |
| Mounting Depth: | |
| SM3 Series | Mount to 3/16" metal (4.7 mm) |
| RM3 Series | Mount to 1/2" metal (12.7 mm) |
| SM Series | Mount to 7/32" metal (5.3 mm) |
| Cable: | |
| SM/SM3 Series | 15 ft RG-58 (4.5 meters) |
| RM3-Series | 1 ft RG-58 (305 mm) |
| Connector: | SMA Plug (Male) |
| DN Option: | Direct N Jack (Female) |
| Shock & Vibration: | EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C |
| Water Ingress: | RM3: IP67, SM:IPx5 |